

NF102

Non-Heat Sealable High COF Film



TRANSPARENT BOPP FILM

DESCRIPTION :

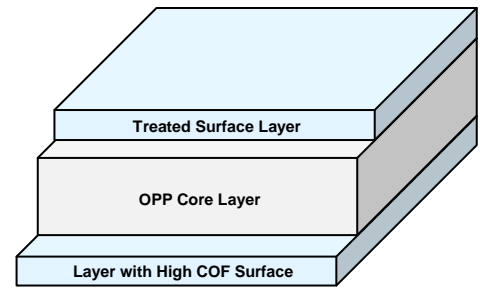
Gulf Pack NF102 is a non heat sealable film with high coefficient of friction (COF), excellent optical and mechanical properties.

PRODUCT FEATURES :

Superior transparency and high gloss
 High coefficient of friction
 Excellent ink and coating adhesion
 Good stiffness and tensile strength
 Excellent resistance to oil, grease & chemicals

APPLICATIONS :

Printing & lamination with a wide range of substrates
 Top layer for laminated films for large bags / sacks applications



PROPERTIES		UNIT	TYPICAL VALUES					TEST METHOD.	
PHYSICAL	Thickness	Microns	15	18	20	25	30	ASTM D 374	
		Gauge	60	72	80	100	120		
	Grammage	g/m ²	13.65	16.38	18.20	22.75	27.30	*GPIM	
		lbs/ream	8.4	10.1	11.2	14.0	16.8		
	Yield	m ² /kg	73.26	61.05	54.95	43.96	36.63		
		in ² /lb	51,600	43,000	38,700	31,000	25,800		
	Coefficient of Friction (Film/Film)		0.70					ASTM D 1894	
	Surface Tension (Treated Side)	dynes/cm	38					ASTM D 2578	
OPTICAL	Haze	%	1.5					ASTM D 1003	
	Gloss (45°)		90					ASTM D 2457	
MECHANICAL	Tensile Strength at Break	*MD	kg/mm ²	15					ASTM D 882
		*TD		28					
		MD	psi	21,330					
		TD		39,816					
	Elongation at Break	MD	%	155					ASTM D 882
		TD		50					
THERMAL	Thermal Shrinkage	MD	%	< 4.0					GPIM (120° C (248° F), 5 min, air)
		TD		< 2.0					

* GPIM – Gulf Pack Internal Method *MD – Machine Direction *TD – Transverse Direction

Gulf Pack NF102 films comply with EU Regulation 10/2011/EC and USA FDA Code of Federal Regulations CFR21 section 177.1520 (c) 1.1 and are suitable for use in packaging, carrying and transporting foodstuffs.

The information contained in this technical leaflet illustrates typical values only and are to the best of our knowledge. Since the conditions under which our films may be used are beyond our control, such values are declared without warranty or guarantee.

Bi-axially oriented polypropylene films age with time and will exhibit deterioration of some properties if not stored in a suitable environment at a temperature 30°C or below. We strongly advise our customers to use recommended storage conditions and consume products before 6 months from date of production in our plant.

Gulf Pack NF102 standard surface treatment location is on the outer side (O); other treatment preference can be arranged upon agreement with the sales representative before order processing.

Detailed advice regarding other specific applications of **Gulf Pack NF102** and other films in the Gulf Pack range is available upon request.